

## EAST Search History

| Ref # | Hits | Search Query  | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------|------------------|---------|------------------|
| S34   | 1    | ("313"/\$.ccls.)AND((molybdenum mo)same(chromium cr))AND(lamp with capsule)                                   | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 12:46 |
| S35   | 27   | ("313"/\$.ccls.)AND(chromium\$manganese chromium\$boron chromium\$cobalt chromium\$iron)                      | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 12:28 |
| S36   | 8    | ((("20020008477") or ("4015165") or ("3959682") or ("4777404") or ("3420944") or ("3105867")).PN.             | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2006/03/02 12:29 |
| S37   | 6    | ("313"/\$.ccls.)AND(foil same (manganese mn)same(chromium cr))  | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 12:49 |
| S38   | 3    | (lamp)same(foil same (manganese mn)same(chromium cr))   | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 12:50 |
| S39   | 20   | (lamp)same((foil conductor electrode) same (manganese mn)same(chromium cr))                                   | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 12:54 |
| S40   | 343  | (lamp)and((foil conductor electrode) same (manganese mn)same(chromium cr))                                    | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:43 |
| S41   | 6    | ("3105867").URPN.   | USPAT                  | OR               | ON      | 2006/03/02 13:40 |
| S42   | 18   | ("3105867"   "3515931"   "3548245"   "4110657"   "4254356"   "4851733").PN. OR ("5430353"). URPN.             | US-PGPUB; USPAT; USOCR | OR               | ON      | 2006/03/02 13:42 |
| S43   | 3850 | (lamp)and((foil conductor electrode)same(chromium cr))  | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:43 |
| S44   | 2463 | ("313"/\$.ccls.)and((foil conductor electrode)same(chromium cr))  | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:43 |
| S45   | 677  | ("313"/\$.ccls.)and((foil conductor electrode)same(chromium cr)same(manganese mn cobalt co iron fe boron bo)) | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:44 |
| S46   | 28   | ("313"/\$.ccls.)and((foil)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))                     | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:49 |
| S47   | 778  | ("313"/\$.ccls.)and((oxidation oxidize oxide)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))  | US-PGPUB; USPAT        | OR               | ON      | 2006/03/02 13:50 |

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|     |       |   |                              |    |     |                  |
|-----|-------|---|------------------------------|----|-----|------------------|
| S48 | 158   | ("313"/\$.ccls.)and((oxidation oxidize oxide)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))AND(lamp) | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 14:00 |
| S49 | 2     | ("3420944").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/03/02 14:00 |
| S50 | 18    | ("3420944").URPN.   | USPAT                        | OR | ON  | 2006/03/02 14:14 |
| S51 | 1     | ("3793615").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/03/02 14:15 |
| S52 | 11    | ("3420944"   "3448320").PN. OR ("3793615").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/02 14:26 |
| S54 | 1259  | (chromium with (manganese cobalt iron boron) with alloy)same(\$oxidation)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 14:57 |
| S55 | 60    | (chrome with (manganese cobalt iron boron) with alloy)same(\$oxidation)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:09 |
| S56 | 497   | ((chrome chromium Cr)with(manganese mn)with(alloy))same(oxidation)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:13 |
| S57 | 173   | ((((chrome chromium Cr)with(manganese mn)with(alloy))same(oxidation))AND(alloy.ti.)                                   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:25 |
| S58 | 21    | ((chrome chromium Cr)and(manganese mn)and(alloy)).ti.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:28 |
| S59 | 60    | ((chrome chromium Cr)and(manganese mn)).ti.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:39 |
| S60 | 12622 | ((chrome chromium Cr)with(manganese mn))with alloy  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:41 |
| S61 | 4137  | ((chrome chromium Cr)adj3(manganese mn))with alloy  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:41 |
| S62 | 613   | ((chrome chromium Cr)adj3(manganese mn))adj3 alloy  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/08/16 10:08 |
| S63 | 130   | ((chrome chromium Cr)adj(manganese mn))adj alloy  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/02 16:41 |
| S64 | 292   | ((chromium chrome cr)with(iron fe cobalt co boron bo)with(alloy)).ti.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/03 08:41 |
| S65 | 1002  | ((chromium chrome cr)with(cobalt co)with(alloy))same(corosion oxidation)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/03 08:41 |

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|     |      |   |                              |    |     |                  |
|-----|------|---|------------------------------|----|-----|------------------|
| S66 | 18   | ((chromium chrome cr)adj(cobalt co)adj(alloy))same(corosion oxidation)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/03 08:45 |
| S67 | 46   | ((chromium chrome cr)adj2(cobalt co)adj2(alloy))same(corosion oxidation)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/03 08:45 |
| S68 | 1    | ("3868277").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/15 13:49 |
| S69 | 2    | ("3235379").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/16 09:34 |
| S70 | 280  | ((chromium chromium Cr)adj3(manganese mn))adj3 alloy)and(lamp light foil)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/08/16 10:09 |
| S71 | 2029 | ((chromium chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)and(lamp light foil)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/08/16 10:10 |
| S72 | 218  | ((chromium chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)same(lamp light foil)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/08/16 10:24 |
| S73 | 404  | ((chromium chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)same(lamp light foil)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/08/16 10:17 |
| S75 | 1    | ("3959682").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/02/09 16:10 |
| S76 | 1    | ("3959682").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/02/12 08:51 |
| S77 | 17   | ((oxidation anti\$1oxidation)same(chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel))same(lamp light electrode conductor) | US-PGPUB;<br>USPAT           | OR | ON  | 2007/02/12 10:37 |
| S78 | 7    | ((("4015165") or ("3959682") or ("4777404") or ("3420944") or ("3105867")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/02/12 09:00 |
| S79 | 7    | ("3551722"   "3644773").PN. OR ("4777404").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/02/12 10:33 |

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|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S80 | 18   | ((oxidation anti\$1oxidation)same(chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel))same(lamp light electrode conductor wire) | US-PGPUB;<br>USPAT   | OR | ON | 2007/02/12 12:28 |
| S81 | 1002 | (chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel)same(electrode conductor wire)  | US-PGPUB;<br>USPAT   | OR | ON | 2007/02/12 12:29 |
| S82 | 584  | ((chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel)same(electrode conductor wire))and(lamp light)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/12 12:56 |
| S83 | 4    | (chromium\$1manganese)same(electrode conductor wire)same(lamp light)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/12 12:57 |
| S84 | 25   | (chromium\$1manganese)same(electrode conductor wire)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/12 12:57 |
| S85 | 85   | (chromium\$1manganese Cr\$1Mn)same(electrode conductor wire)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/12 15:16 |